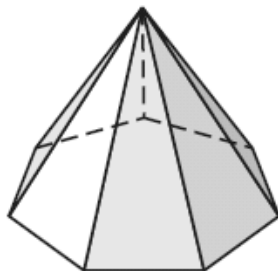


Name _____ Date _____

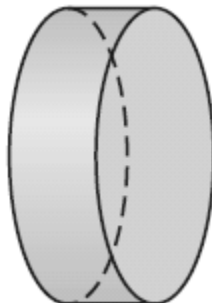
201 Chapter 12.1-12.5 Review for quiz

Determine whether the solid is a polyhedron. If it is, name the polyhedron.***Explain-your reasoning.***

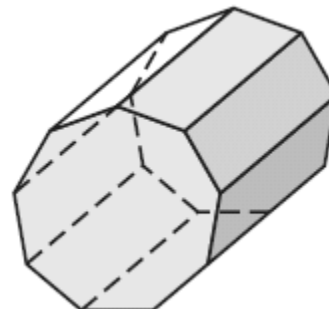
1.



2.



3.

**Use Euler's Theorem to find the value of n .**

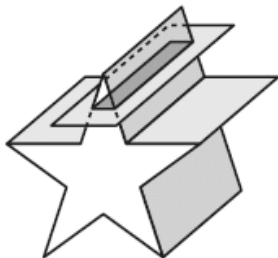
4. Faces: n
 Vertices: 12
 Edges: 16

5. Faces: 14
 Vertices: 24
 Edges: n

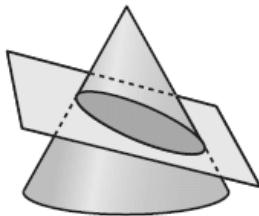
6. Faces: 29
 Vertices: n
 Edges: 81

Describe the cross section formed by the intersection of the plane and the solid.

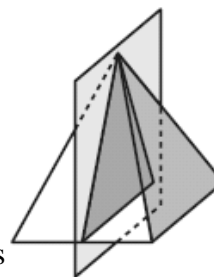
7.



8.

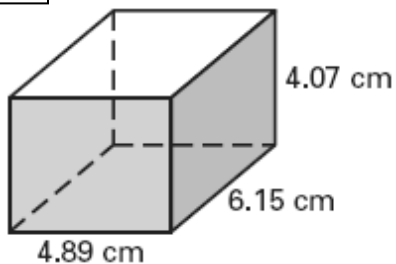


9.



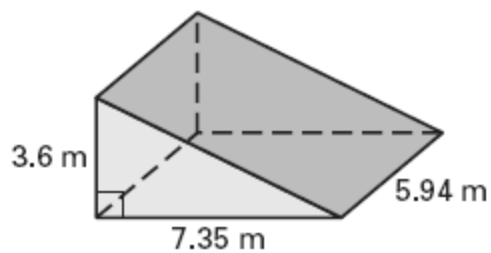
Find LA, SA, or V for the following right prisms. Read directions

10.



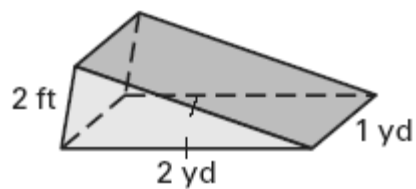
LA = _____

11.



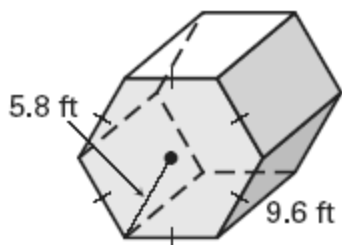
SA = _____

12.



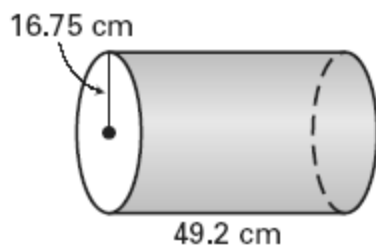
V = _____

13.



SA = _____

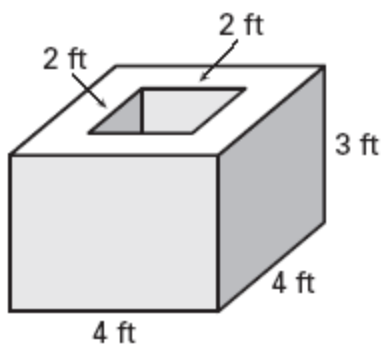
14.



LA = _____

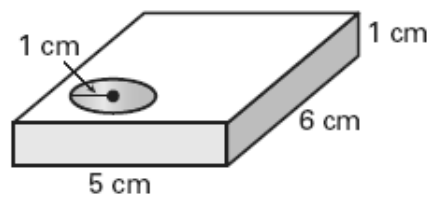
Find the surface area or volume for the solids below.

15.



SA = _____

16.



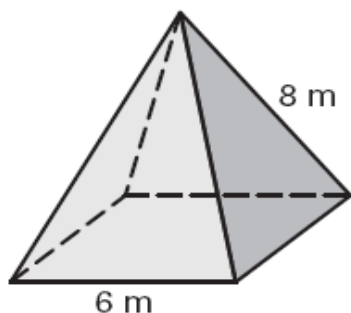
V = _____

17. The surface area of a cylinder is 1000π square centimeters. The radius of the cylinder is four times the height. What is the height of the cylinder?

18. The surface area of a cylinder is 198π square yards. The height of the cylinder is ten times the radius. What is the radius of the cylinder?

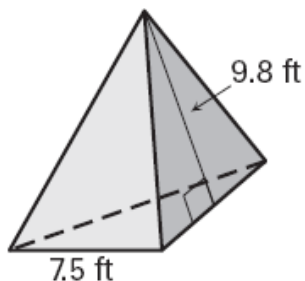
Find the LA, SA, or V for the **regular pyramids** and cone below.

19.



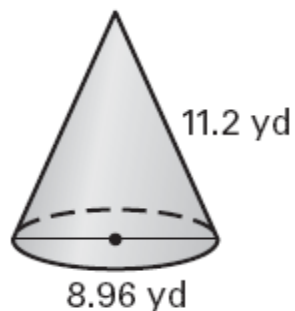
LA = _____

20.



SA = _____

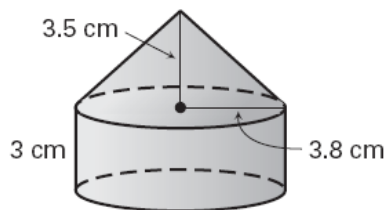
21.



V = _____

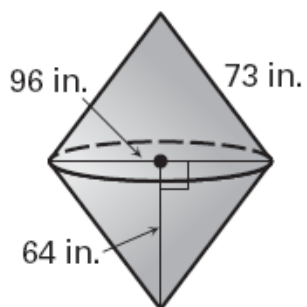
Find the SA or V of the solids below.

22.



SA = _____

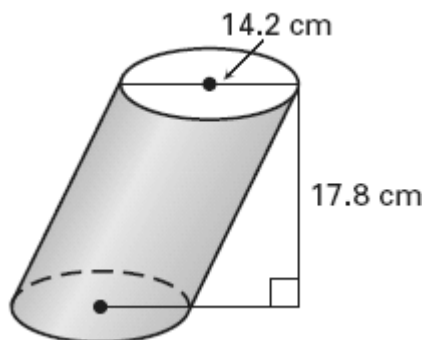
23.



V = _____

Find the volume of the solid below.

24.



25. $V = 78\text{cm}^3$ Solve for x.

